

Amendments to Specification

Please replace the paragraph immediately following the title, with the following rewritten paragraph:

-- This invention was made with Government support under Prime Contract No. DE-FC26-01NT41103 awarded by the Department of Energy. The Government has certain rights in the invention. This application is cross-referenced to a related application (202-0638) being filed concurrently herewith and having Serial No. 10/064,956. --

Please replace paragraph [0007] with the following rewritten paragraph:

-- In one aspect of the invention, the above disadvantages are overcome by a method for controlling reductant injection in an exhaust system of an engine having an upstream oxidation catalyst and a downstream lean NOx catalyst. The method comprises: determining an amount of NOx exiting the upstream oxidation catalyst; calculating a ratio of NO to NO2 contained in said amount of exiting NOx; calculating an amount of reductant to be injected based on said ~~second~~ amount of NOx and said ratio; and adjusting a signal for controlling injected reductant based on said calculated amount of reductant to be injected. --